

FIG.1

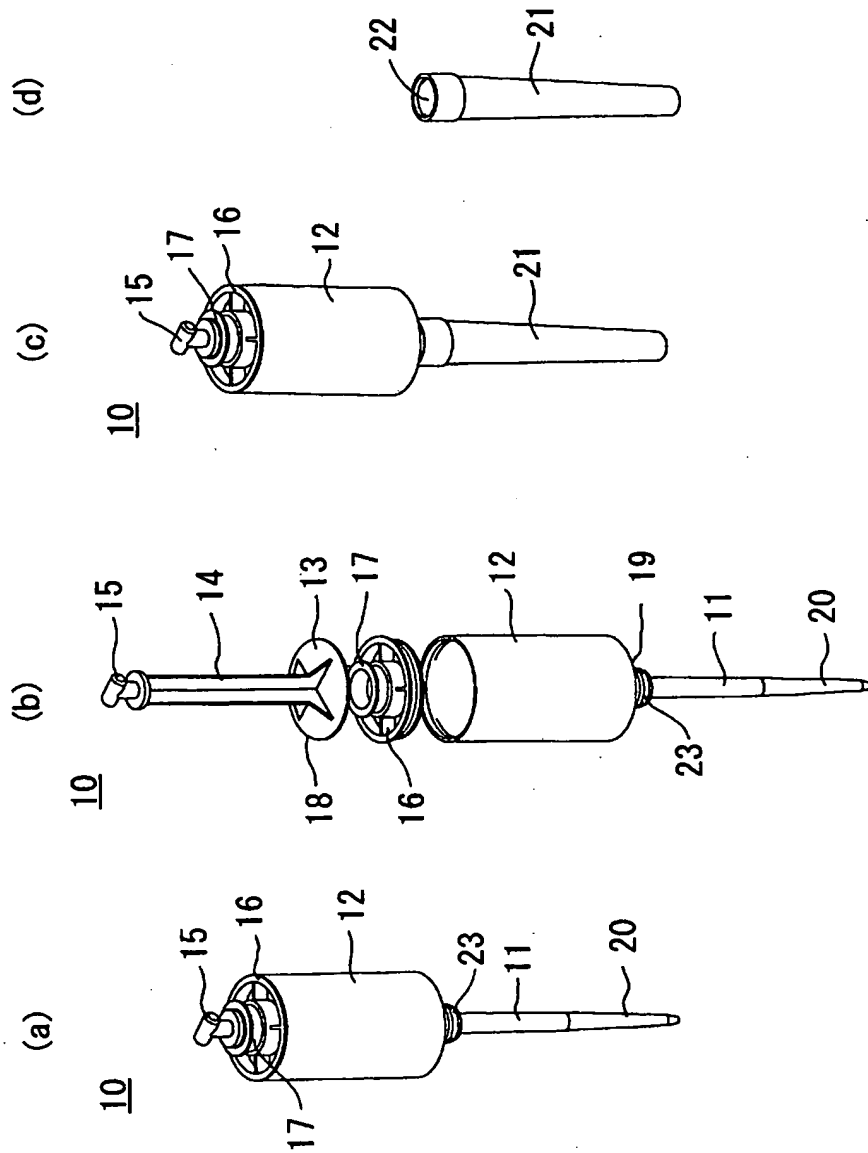


FIG.2

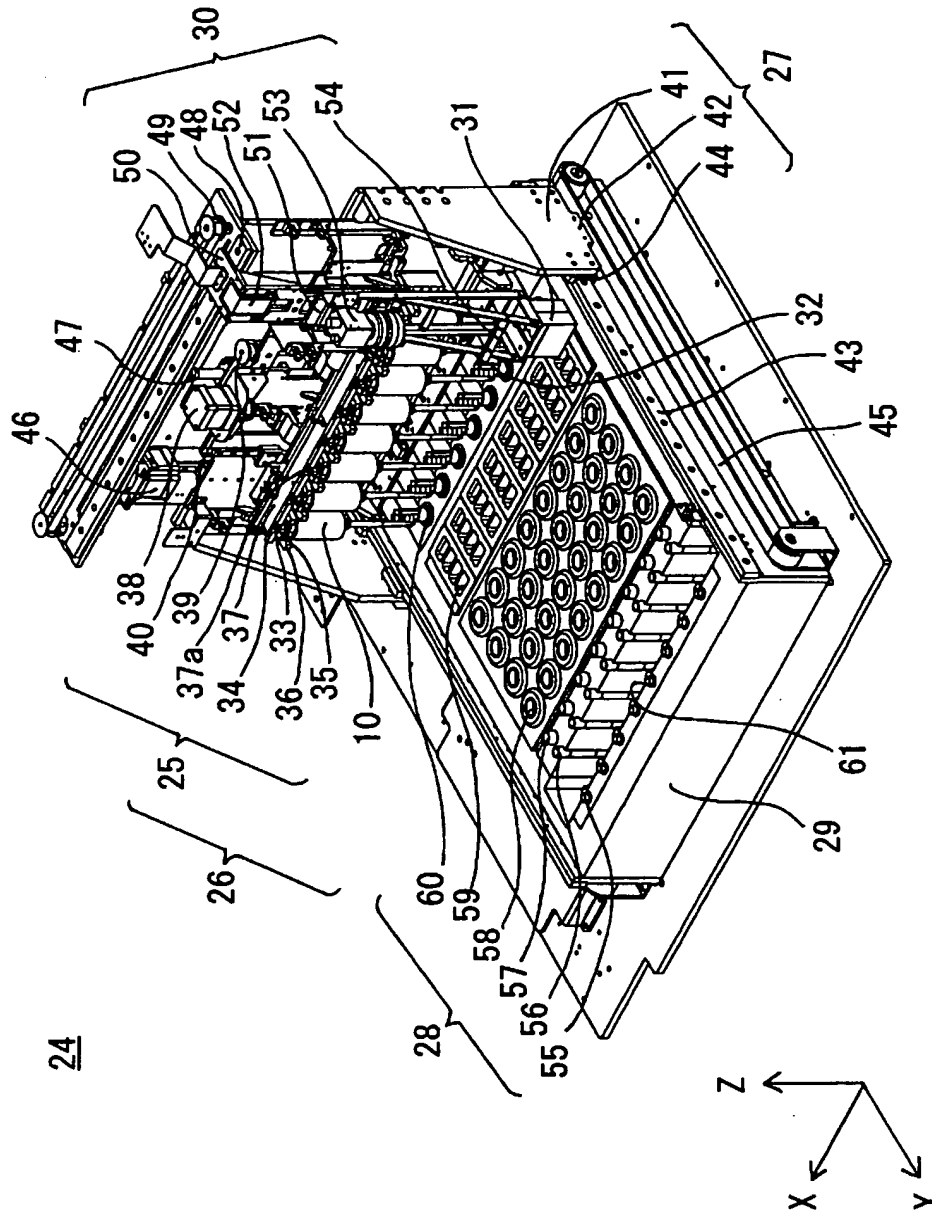


FIG.3

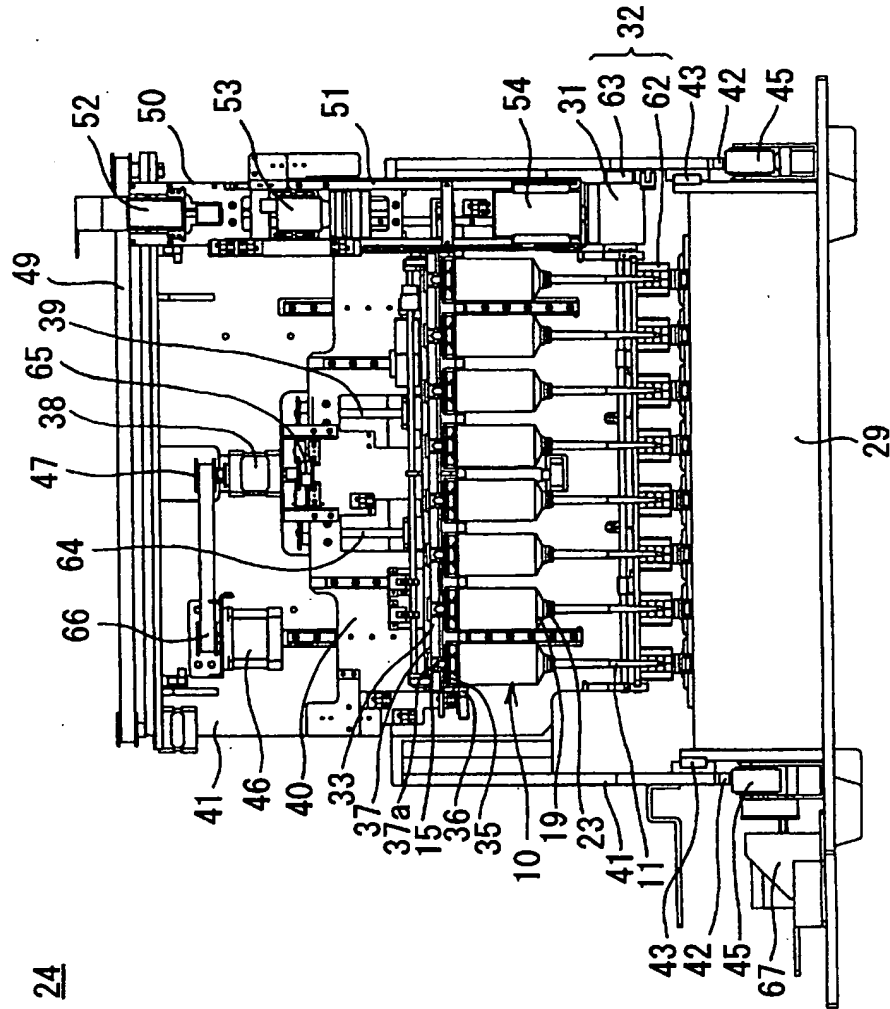


FIG.4

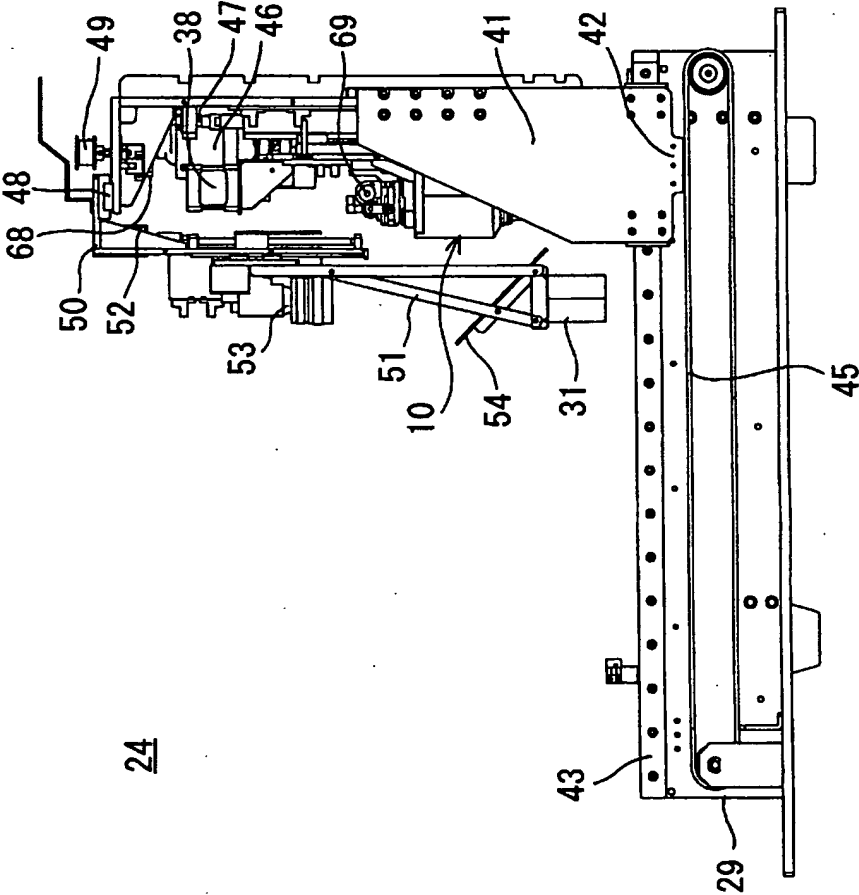


FIG.5

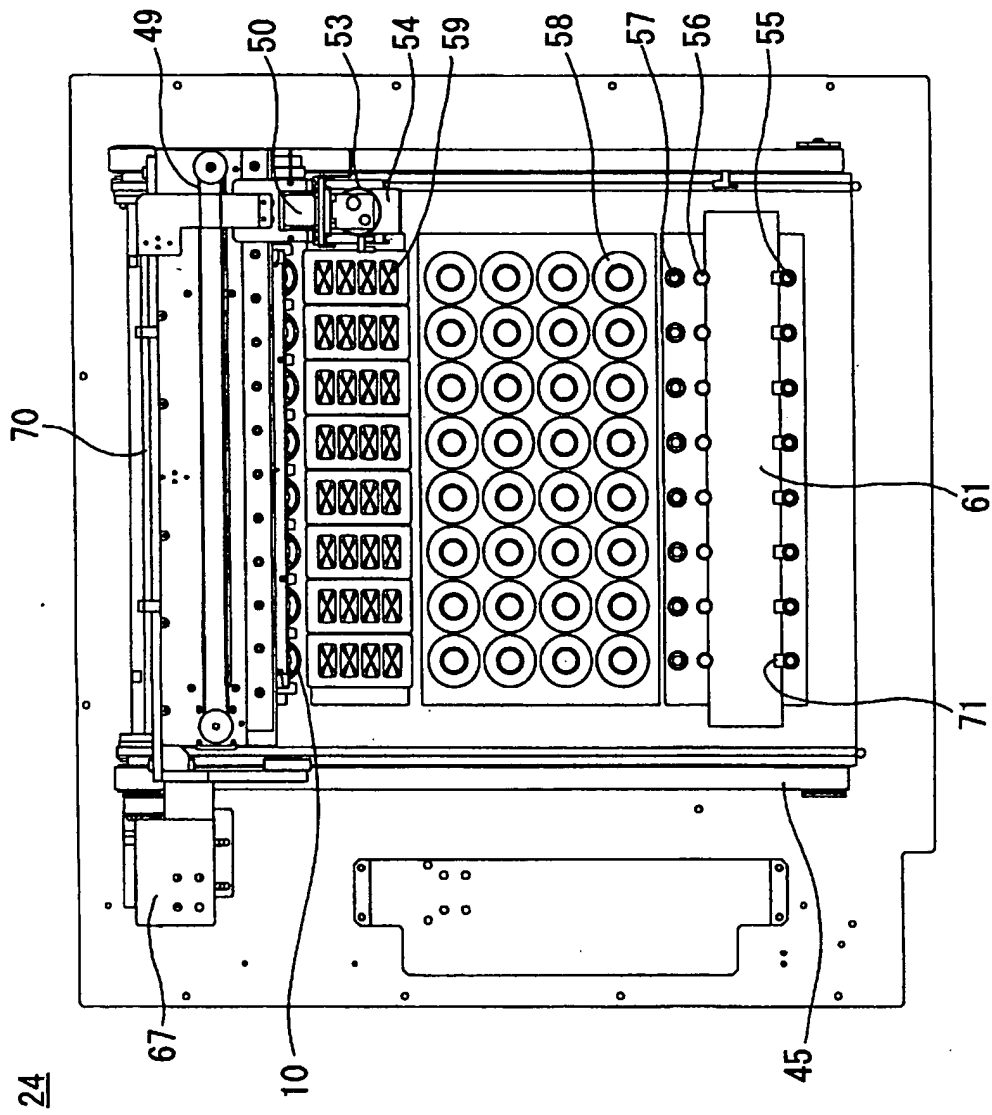


FIG.6

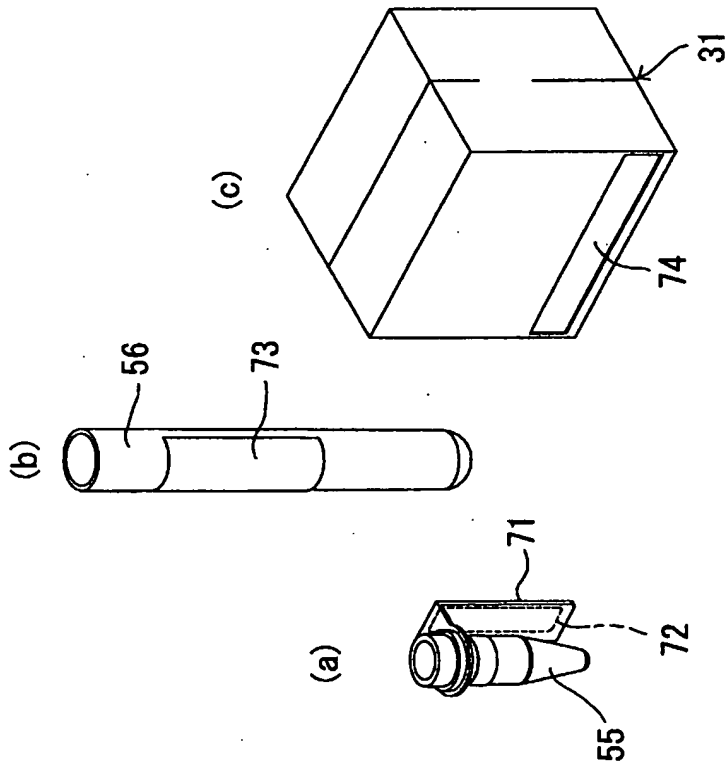


FIG. 7

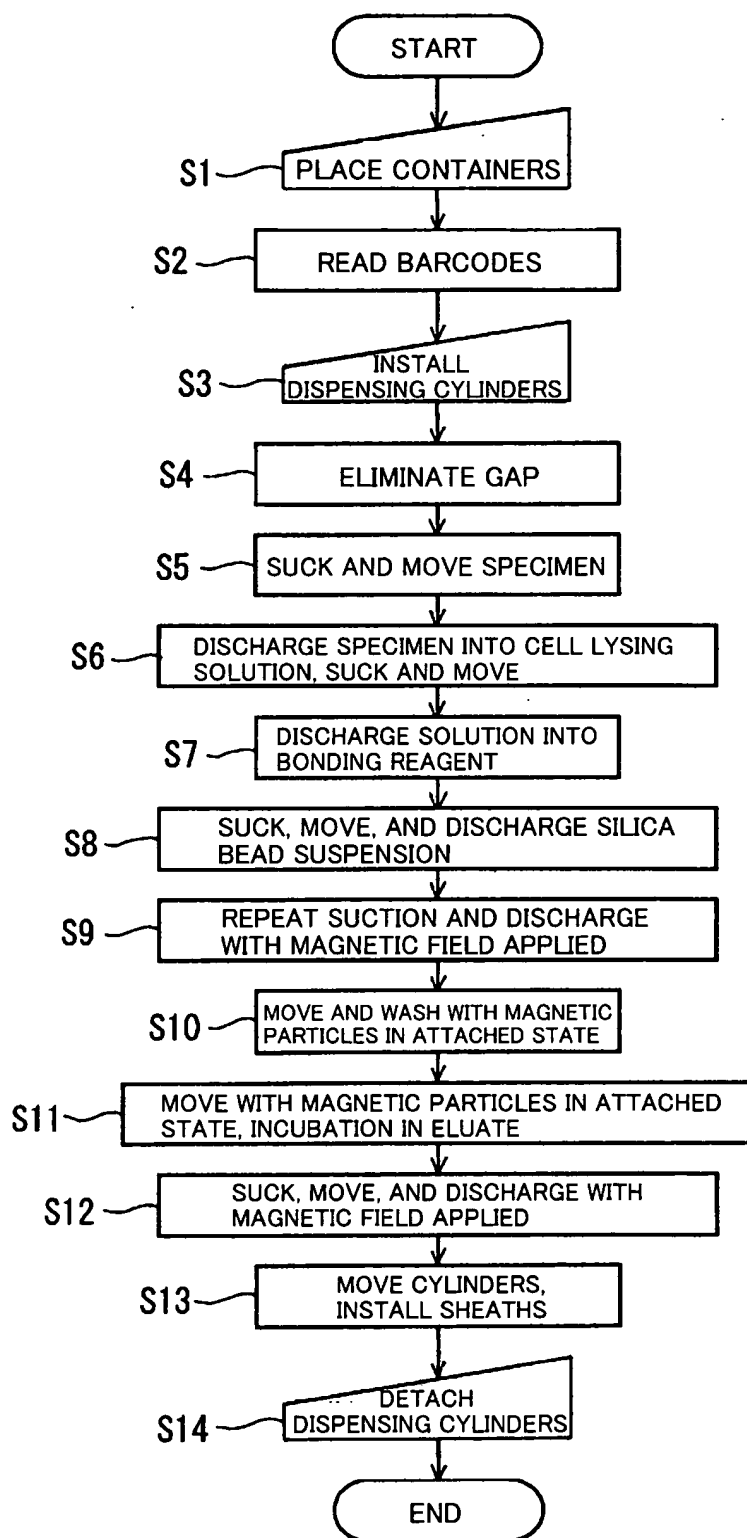


FIG.8

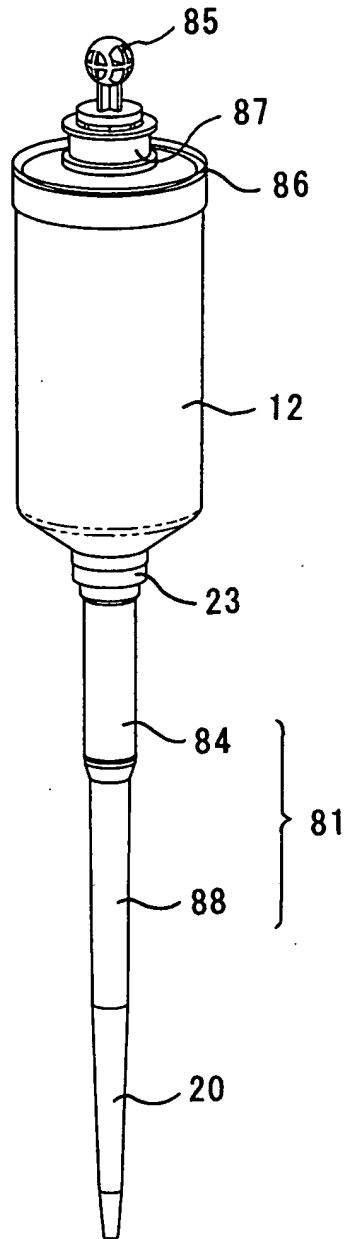
80

FIG.9

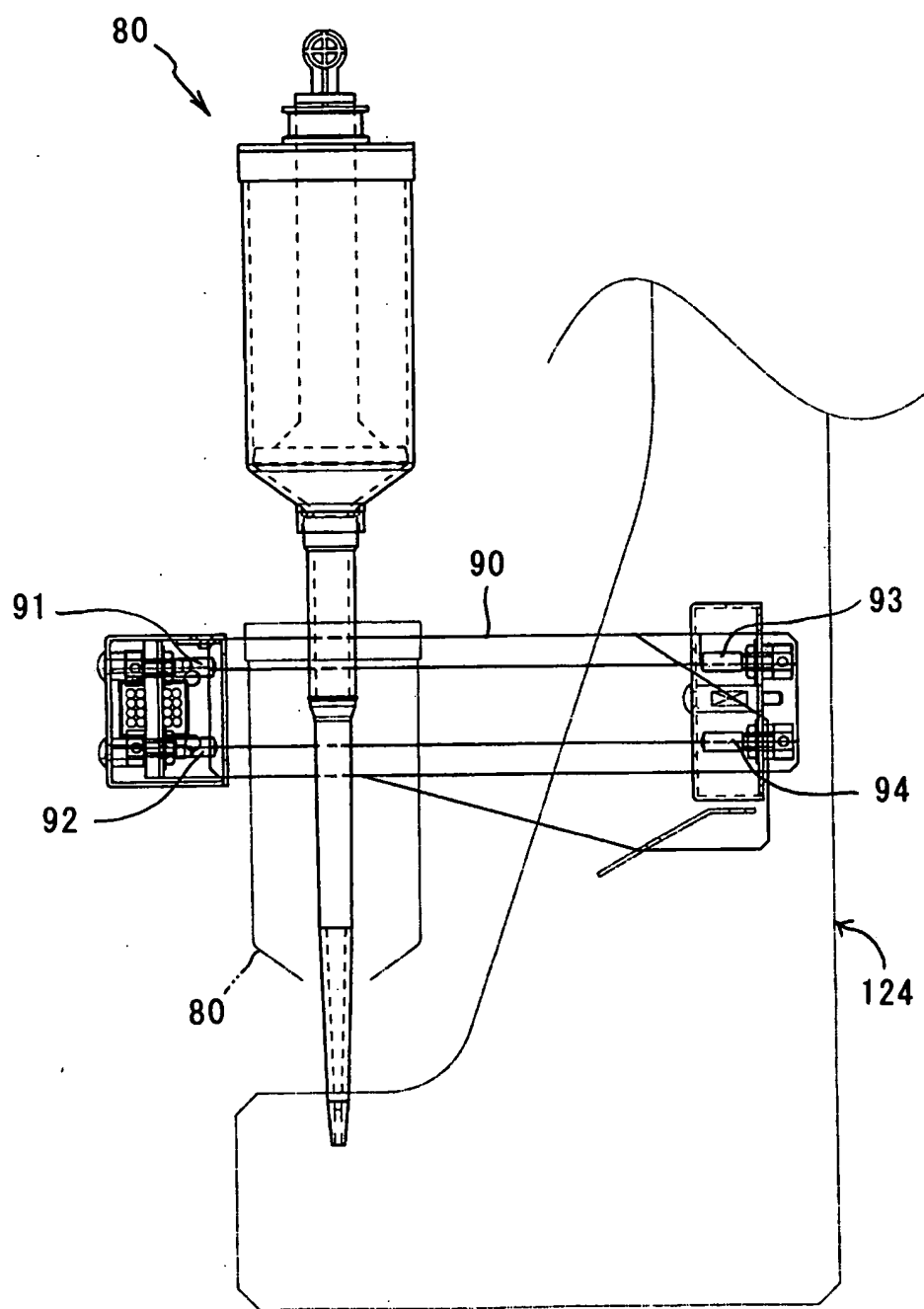


FIG.10

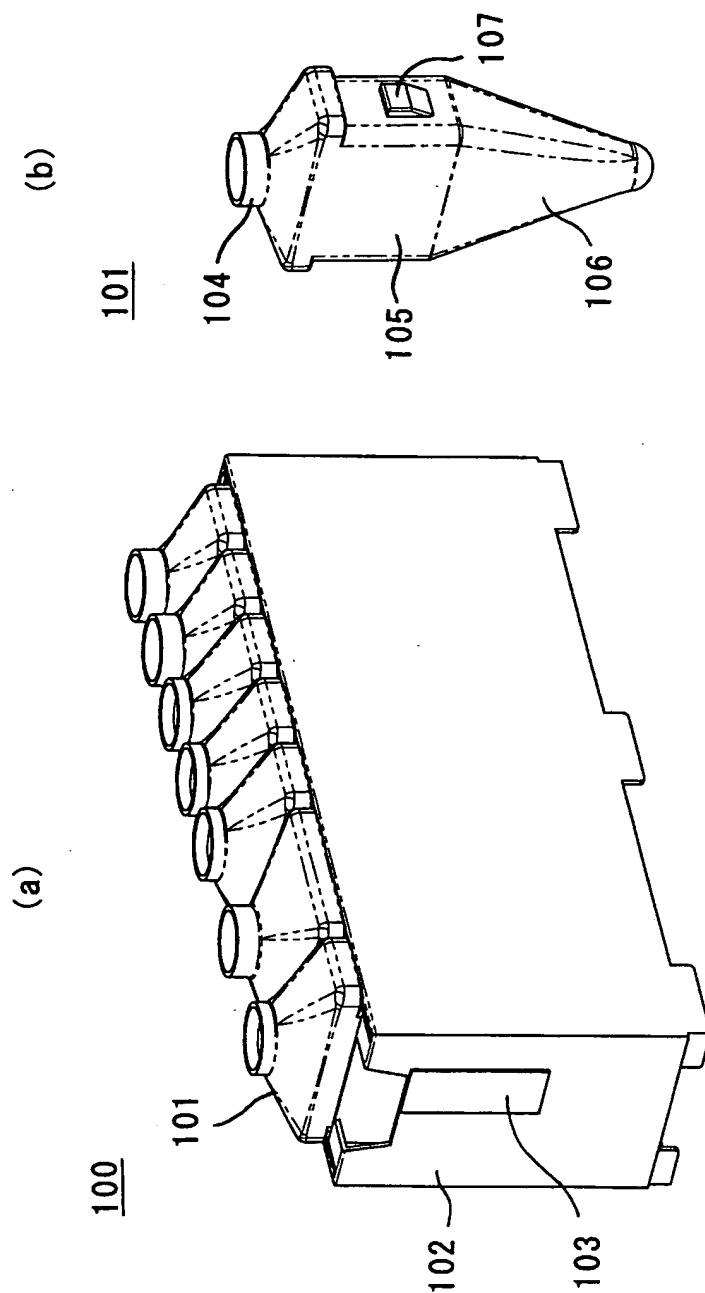


FIG.11

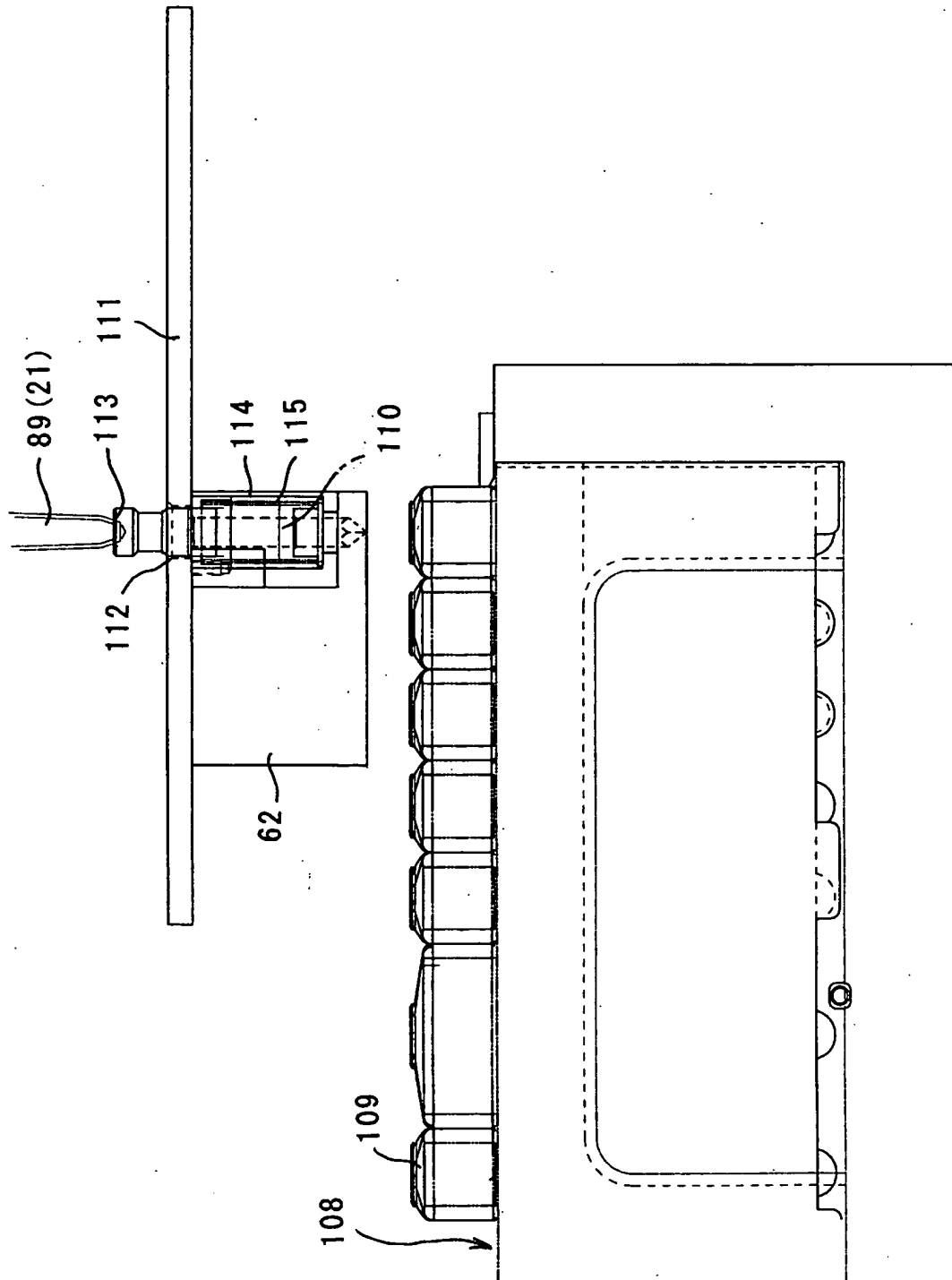
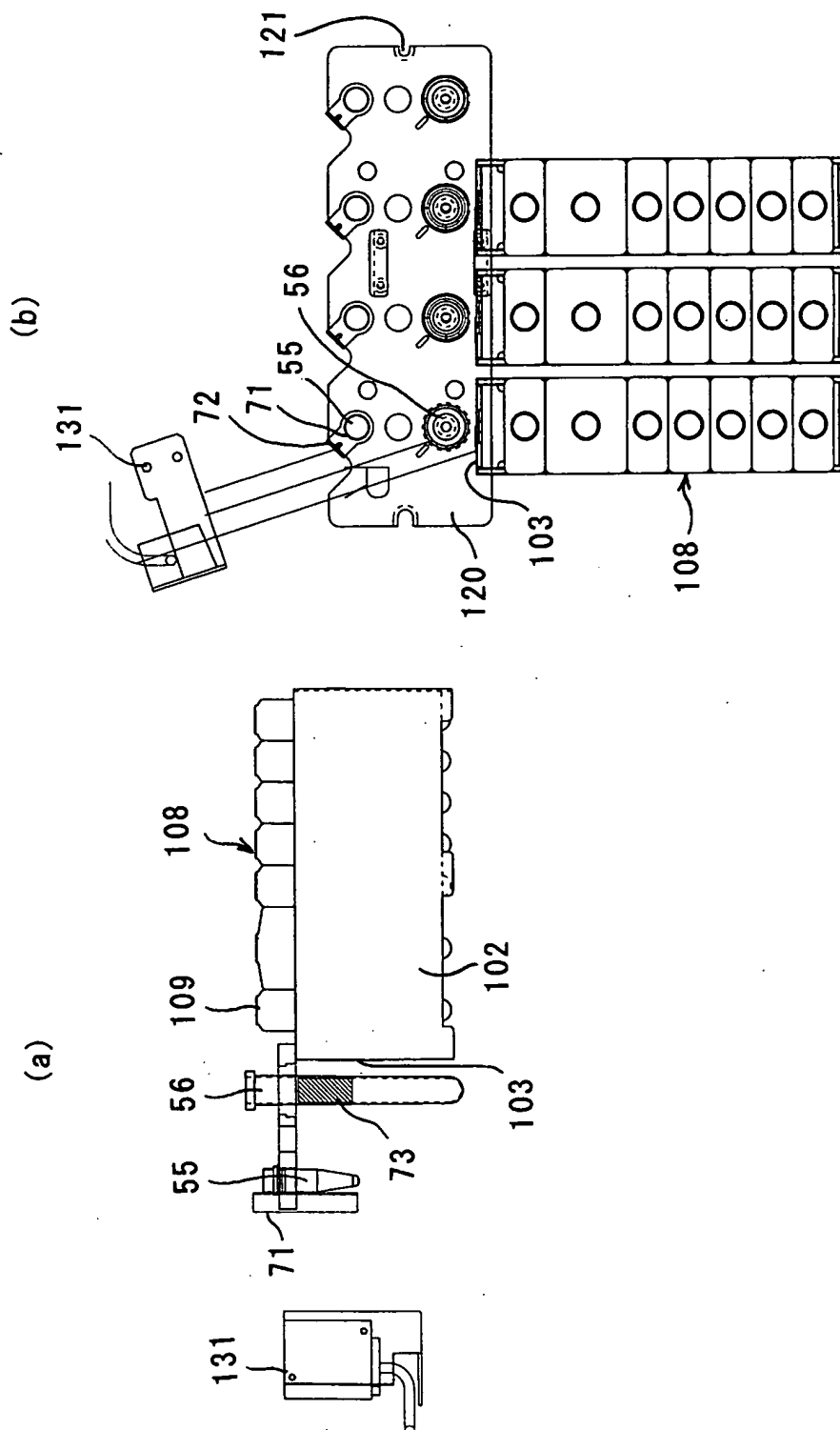


FIG.12



10, 80...Dispensing cylinder
11, 81...Small diameter section
12...Large diameter section
13...Piston (sliding section)
14...Rod (sliding section)
15...T shaped end section (connection section)
17...Flange tube (securing section)
21...Sheath
23...Engagement section
24, 124...Large capacity dispensing device
25...Suction and discharge mechanism
26...Main body section
27...Y axis carriage
29...Container placement stage
30...Optical measurement section
31, 131...Barcode reader
32...Magnetic section
33...T-shaped cavity (connection target section)
35...Sandwiching member (fitting section)
37a...Gap elimination plate (gap elimination mechanism)
50...X axis carriage
53...CCD camera (optical measuring section)
54...Mirror (optical measuring section)
55, 56, 57, 58, 59, 60, 101, 109...Container (bottle)
85...Ball end section (connection section)
100, 108...Multiple container storage section